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Los Alamos Neutron Science Center Call for Proposals for the Lujan Neutron Scattering Center for the Run Cycle Beginning the Week of October 1, 2007

You are invited to submit a proposal to apply for beam time at the Lujan Neutron Scattering Center of the Los Alamos Neutron Science Center (LANSCE) for the run cycle scheduled to begin the week of October 1, 2007. **The deadline for submitting the proposals is 6:00 p.m. (1800) Mountain Daylight Time, Tuesday, June 26, 2007.** Because of the limited time between the deadline for submitting proposals and the beginning of the run cycle, we cannot accept any proposals received after the due date. Any proposals after the due date must be deferred to the following run cycle or submitted as an out of cycle, fast access proposal. Fast access proposals may be submitted at any time, but require compelling evidence of sufficient scientific urgency to justify special scheduling.

This call is for beam time at the Lujan Center only. No proposals other than fast access will be accepted for the neutron nuclear science program at the Weapons Neutron Research Facility (WNR).

Instruments/flight paths available at the Lujan Center in the current call for proposals are:

1. Polarized Beam Reflectometer (Asterix)
2. Filter Difference Spectrometer (FDS)*
3. High-Pressure Preferred Orientation Diffractometer (HIPPO)
4. Low Q Diffractometer (LQD)*
5. Neutron Powder Diffractometer (NPDF)
6. High-Resolution Chopper Spectrometer (Pharos)*
7. Spectrometer for Materials Research at Temperature and Stress (SMARTS)
8. Surface Profile Analysis Reflectometer (SPEAR)

***FDS, Pharos, and LQD have reduced availability:** these instruments will be available for 1/2, 3/4, and 3/4 of the run period, respectively.

During the previous proposal call, we received about a factor of five more proposals for the Protein Crystallography Station (PCS) than can be accommodated. Most of these proposals were very highly rated, thus we are not accepting proposals for PCS during the present call. Rather, we will schedule as many of the previous highly ranked proposals as we can. In addition, the following instruments will not be part of the user program for the run cycle covered by this call for proposals.

9. Single Crystal Diffractometer (SCD)
10. Transmission Spectroscopy (Flight Path 5)
11. High Intensity Powder Diffractometer (HIPD)

Proposal Guidance and Submission

Proposals must be submitted using the process on the LANSCE website; only proposals submitted in this manner will be accepted. To access the proposal submission sites, log onto the LANSCE home page (<http://lansce.lanl.gov>). On this page you will find the link "Submit

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a Proposal for Beam Time: [Begin Here](#).” Click on [Begin Here](#) and this will take you to the proposal sites for either the Lujan Neutron Scattering Center or WNR Nuclear Science. Click on the site to which you want to submit your proposal and you will be taken to the on-line submission system.

Detailed instructions for preparing the proposals can be found on the proposal submission sites under “Step-by-Step Guide to Submitting an Online Proposal.”

Experimental Reports

If you have received instrument time at Lujan during the past two years, an experimental report should be submitted through the web site. This report should briefly outline the experiment, state whether it was completed and successful, and briefly review the results and indicate whether a publication resulted from the work. The Program Advisory Committee will use this information in evaluating proposals for beam time in the upcoming cycle. If you are receiving time in the cycle starting June 2007 and do not yet have results, this should be mentioned in the experimental report.

User Satisfaction Survey

Previous users are strongly urged to complete the user satisfaction survey summarizing their experience in performing experiments at the Lujan Center. The results of these surveys are most helpful to us in improving the user experience, and are also data we are required to report to the DOE Office of Science.

Student Travel Support

Travel support is available for students to participate in an experiment via the STONE (Student Travel Opportunities for Neutron Experiments) Program. For information about this program go to the relevant proposal submission site as described previously and click on the “STONE Program” link. Instructions about how to apply for support from the STONE program are found here.

Should you have any questions or require assistance, please contact the LANSCE User Office by e-mail at lansce_users@lanl.gov or by telephone at (505) 665-1010.